

Twin Buttes Dam and Twin Buttes Reservoir

OWNER

The U.S. Government. Operated by the U.S. Bureau of Reclamation, Region 5, Amarillo, Texas.

ENGINEER (Design)

U.S. Bureau of Reclamation.

LOCATION

On the South Concho River, Spring Creek, and Middle Concho River in Tom Green County, 8 miles southwest of San Angelo.

DRAINAGE AREA

3,724 square miles of which 1,178 square miles is probably noncontributing.

DAM

Type	Earthfill
Length	8.04 miles
Height	134.00 ft
Top width	30.00 ft

SPILLWAY

Location	Near left end of dam
Type	Uncontrolled ogee weir
Crest length	200 ft
Crest elevation	1969.1 ft above msl

OUTLET WORKS

Location	Near left abutment
Type	Gated concrete 3-barrel outlet
Size Conduit	15.5 ft diameter
Control (each conduit)	3 fixed-wheel gates, each 15 by 12 ft and 3 radial gates, each 15 by 12 ft

AUTHORIZATION

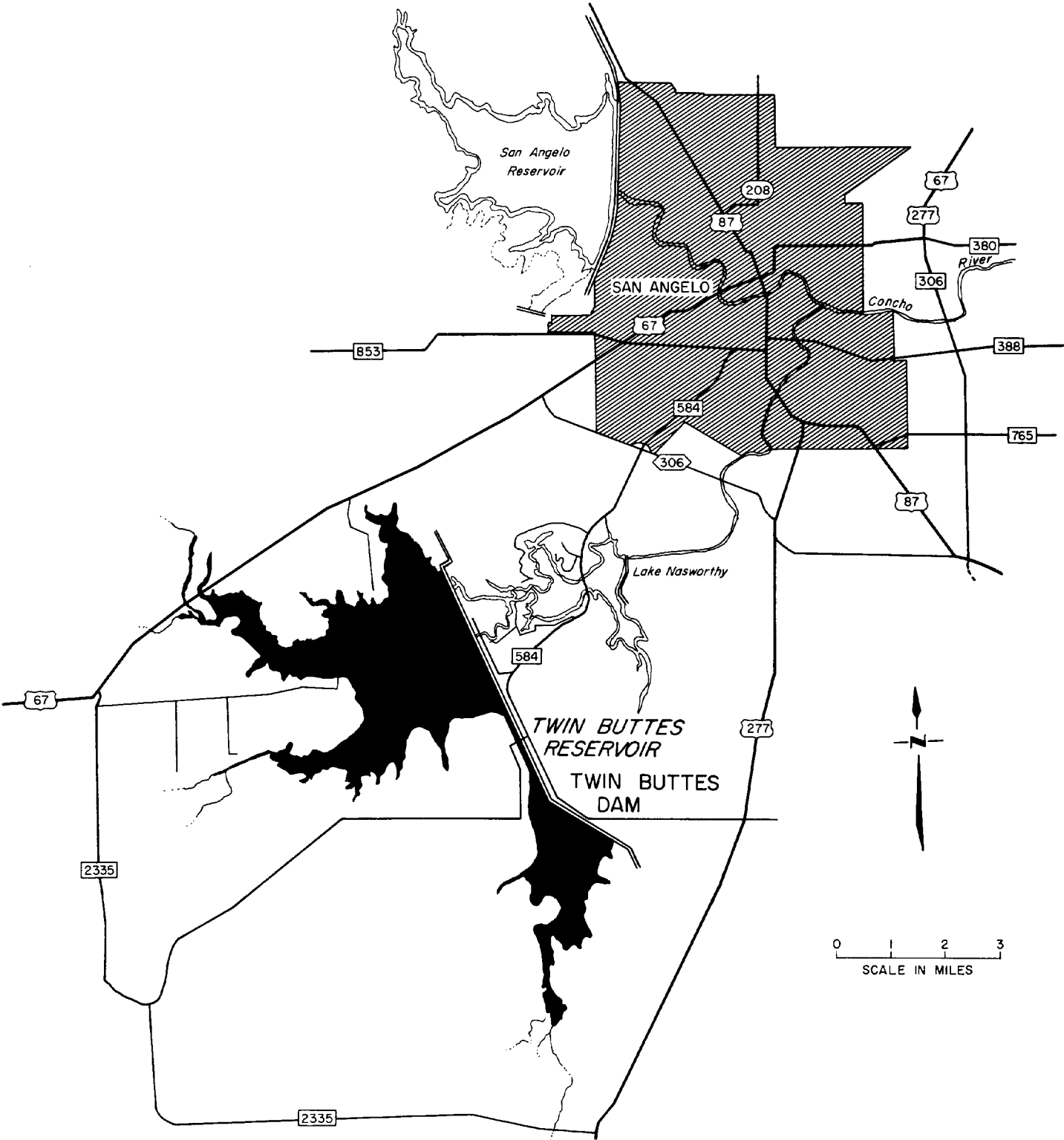
Federal:	Public Law 85-152 dated August 16, 1957, passed by 85th Congress.
State:	Permit No. 1949 (Application No. 2122) February 3, 1960, to San Angelo Water Supply Corporation allows storage of 170,000 acre-feet of water in Twin Buttes Reservoir and annual use of 29,000 acre-feet for municipal supply and 25,000 acre-feet for irrigation of 10,000 acres of land.

RESERVOIR DATA (Supplied by U.S. Bureau of Reclamation)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	1,991.0	—	—
Maximum design flood stage	1,985.0	1,087,500	32,660
Spillway crest	1,969.1	640,600	23,510
Top conservation pool	1,940.2	186,200	9,080
Bottom equalizing channel	1,925.0	84,760	4,575
Dead storage (South Concho pool)	1,925.0	4,600	—
Invert outlet works	1,885.0	3,750	670
Usable conservation storage	—	177,850	—

GENERAL

Construction started	May 3, 1960
Impoundment of water began	December 1, 1962
Dam completed	February 13, 1963
General contractor	H. B. Zachry Company
Project cost	\$20,687,000



TWIN BUTTES DAM AND TWIN BUTTES RESERVOIR